Application No.	Applicant(s)
09/742,390	NISHIKI ET AL.
Examiner	Art Unit
Dalei Dong	2879

Al-41 F. A. II L. 1114	09/742,390	NISHIKI ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Dalei Dong	2879		
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to and MPEP 1308.	olication. If not include will be mailed in due withdrawal from issu	ed course. THIS	
2. The allowed claim(s) is/are <u>8-25</u> .				
3. The drawings filed on 22 December 2002 are accepted by	the Examiner.			
 4. Acknowledgment is made of a claim for foreign priority una a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have The priority documents have Certified copies of the priority documents have Certified copies of the priority documents have The priority documents have Copies of the certified copies of the priority documents have The priority d	been received. been received in Application No cuments have been received in this of	national stage applica		
5. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			OTICE OF	
 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 				
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☐ Examiner's Amendn 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), enent/Comment	,	
of Biological Material	9.			

Application/Control Number: 09/742,390

Art Unit: 2879

DETAILED ACTION

Allowable Subject Matter

- Claims 8-25 are allowed. 1.
- The following is an examiner's statement of reasons for allowance: the prior art of record 2. taken alone or in combination fails to teach or suggest a method of manufacturing a shadow mask assembly, comprising: applying a preliminary tension force having a magnitude in a range of 9.8 N to 490 N to each of four corners of an approximately rectangular shadow mask, the shadow mask having a perforation region including a plurality of elongated through-holes and having a pair of opposing shorter sides, each of the shorter sides having a curved center recess section, the preliminary tension force being applied in an outward direction aslant with respect to each side of the shadow mask; after said applying of the preliminary tension force, applying a main tension force to each of a pair of opposing sides of the shadow mask in an outward direction perpendicular to the opposing sides; and after said applying of the main tension force, fastening the shadow mask to side members of a support frame while the shadow mask is in the tensioned state, the support frame having an approximately rectangular shape.

The prior art of record teaches a method of manufacturing a shadow mask assembly by applying preliminary tension force and applying a main tension force, however prior art of record taken alone or in combination fails to teach or suggest applying a preliminary tension force having a magnitude in a range of 9.8 N to 490 N to each of four corners of an approximately rectangular shadow mask, the shadow mask

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having a perforation region including a plurality of elongated through-holes and having a pair of opposing shorter sides, each of the shorter sides having a curved center recess section in order to effectively reduce the force expansion to thereby reduce uneven stress distribution within the plane of the shadow mask so as to ensure removal of wrinkles during application of the preliminary tension force.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following prior art are cited to further show the state of the art of a method of composition of a shadow mask.

- U.S. Patent No. 4,636,683 to Tokita.
- U.S. Patent No. 5,982,085 to Lakshmanan.
- U.S. Patent No. 6,097,142 to Ko.
- U.S. Patent No. 6,208,067 to Nakagawa.
- U.S. Patent No. 6,642,642 to Watanabe.

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Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Dalei Dong whose telephone number is (571)272-2370. The

examiner can normally be reached on 8 A.M. to 5 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nimeshkumar Patel can be reached on (571)272-2457. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D.D.

June 28, 2004

NIMESHKUMAR D. PATEL SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2800